




CELLO® LSLT

Flexible, closed-cell elastomers that have been specially developed for thermal and acoustic insulation applications in rail vehicles. They are free of halogens (e.g. chlorines, bromines), heavy metals (e.g. cadmium, lead) as well as formaldehydes, and offer high thermal effectiveness.

Applications: In walls, floors and ceilings of standard and saloon carriages used on lines without tunnels, for thermal insulation of air conditioning units, air ducts and heating pipes.



TECHNICAL DATA

FLAMMABILITY	 ▶ EN 45545-2 2020: R1 + R7, HL 2 fulfilled (≥ 3-32 mm) ▶ NFPA 130: ASTM E 162 and 662 fulfilled (SK, 3 mm)
TEMPERATURE RESISTANCE	-50°C to +85°C
THERMAL CONDUCTIVITY	EN 12667: ≤ 0.040 W/(m·K) at 10°C
WATER VAPOR PERMEABILITY	DIN EN 12086: > 30000 / No additional vapor barrier required

DIMENSIONS

PRODUCT	THICKNESS [mm]	WIDTH [mm]	ROLL LENGTH* [m]	SHEETS [mm]	WIDTH TOLERANCES FOR READY-MADE PIECES
LSLT	3	---	---	1950 x 1000	up to 250 mm +/-3 mm
	6	1000	18		250 up to 1000 mm +/-5 mm
	10	1000	10		1000 up to 2000 mm -5/+10 mm
	13	1000	8		
	19	1000	6		

Other thicknesses / dimensions on request. Ready-to-use parts according to your specifications or drawing.

*Untrimmed: Effective dimensions guaranteed as ordered, may be exceeded by some layers (foam, film, non-woven etc.).

BENEFITS

- ▶ Closed-cell structure
- ▶ Low moisture absorption
- ▶ Prevents the development of condensation
- ▶ Very flexible and easy to cut – for convenient preparation and easy installation
- ▶ Provides passive fire protection even without surface coating
- ▶ Delivery of ready-to-install parts
- ▶ Free of halogens (chlorines, bromines)
- ▶ Very low thermal conductivity

OPTIONS

- NK: no self-adhesive equipment
- SK: with self-adhesive finish

ADVICE

When installed outdoors, Cello® LSLT must be protected against UV radiation.